

IN THE CLAIMS

1. (cancelled herein)
2. (currently amended) The adenoviral vector gene delivery system of claim [1]16, wherein said helper adenoviruses of different serotypes are comprised of serotype 2 and serotype 5.
3. (cancelled herein)
4. (cancelled herein)
5. (withdrawn)
6. (withdrawn)
7. (withdrawn)
8. (Currently amended) A kit comprising:
  - (a) an hdAd vector encoding a gene under control of a transcriptional promoter within a genome comprising an adenoviral right ITR, and adenoviral left ITR, and an adenoviral packaging sequence; and
  - (b) a series of helper adenoviruses of different serotype, wherein each said helper adenovirus of said series comprises a packaging signal flanked on either side by a lox site.
9. (cancelled herein)
10. (withdrawn)
11. (withdrawn)

12. (withdrawn)

13 (amended herein). A method of making a series of genetically identical adenoviral vectors wherein each member of said series has a different serotype, for delivering and expressing a desirable gene in a recipient of said series of genetically identical adenoviral vectors, which comprises:

- (a) making a series of helper adenoviruses of differing serotypes, each serotype of said series of adenoviruses encoding [expressing] a different set of capsid proteins, wherein each said helper adenovirus of said series comprises a packaging signal flanked on either side by a lox site;
- (b) making a helper dependent adenovirus vector, hdAd, having a genome encoding said gene, an adenoviral packaging signal, the adenoviral left ITR and the adenoviral right ITR, and as much additional nucleic acid sequences as are necessary to ensure expression of said gene and packaging of said hdAd genome, but not encoding [little or no adenoviral gene products] virion capsid proteins;
- (c) generating a first stock of said hdAd *in vitro* by co-introducing into a cell, in which Cre recombinase is expressed, said hdAd genome and a helper adenovirus of a first serotype [under conditions whereby little or no infectious particles of helper virus are present in the final hdAd stock, but] wherein said stock [is highly enriched in] comprises infectious particles comprising said hdAd genome and capsid proteins encoded by said helper adenovirus of said first serotype;
- (d) repeating step (c) as many times as desired using a helper adenovirus of a different serotype each time said step (c) is repeated, such that a series of infectious hdAd stocks are generated, with each said stock having said different set of capsid proteins based on said different serotype; and
- (e) recovering said infectious hdAd stocks having a capsid of different serotype to obtain said series of genetically identical adenoviral vectors.

14. (original) A series of genetically identical adenoviral vectors wherein each member of said series has a different serotype produced according to the method of claim 13.

15. (currently amended) The adenoviral vector gene delivery system of claim [1]16 wherein, in a series of said packaged helper dependent adenoviruses, at least two helper adenoviruses are from one subgroup of adenoviruses.

16. (new) An adenoviral vector gene delivery system comprising:

- (a) a helper dependent adenovirus vector, hdAd, comprising a genome lacking virion capsid protein coding sequences, but encoding a gene and expression control sequences, the expression of which is desired in a recipient cell;
- (b) helper adenoviruses of different serotypes, each of which encodes functions required for, when introduced into a cell line, replication and packaging of said hdAd genome, and wherein each said helper adenovirus comprises a packaging signal flanked on either side by at least one lox site; and
- (c) said cell line, wherein Cre recombinase is expressed in said cell line, into which may be introduced said hdAd and a first one of said helper adenoviruses having a first particular serotype, such that packaged hdAd having the first particular serotype results, and wherein introduction of said hdAd and a second one of said helper viruses having a second particular serotype into cells of said cell line results in a packaged hdAd having the second particular serotype.